

C O N C O R D I A U N I V E R S I T Y

FACULTY OF ENGINEERING

Minutes of the One Hundred and Fourth Meeting

of the

Engineering Faculty Council

held

on Friday, 19 September 1975

Present: J. Clair Callaghan (Chairman); Professors Douglass, du Plessis, Fazio, Gracovetsky, Heaps, Joly, Krakow, Lin, Lindsay, McQueen, Russell, Sankar, Swamy, Xistris; D. McDouglass (Vice-Rector's representative); Mrs. Z. Jirkowsky (Library representative); Messrs. Gamache and Janigan (Student representatives); Prof. J.C. Giguere (Secretary)

Absent with apology: Professors Bhattacharyya, Krantzberg, Kubina, Marsh, Pekau, Vidyasagar; A. Rauba, I. Szuts (Student representatives)

Visitors: Professors Lang, Nasser

Motion 75-104-1 1. Council unanimously adopted a motion to approve the published agenda with the addition of:

8.1 OEQ - Cours Obligatoires

8.2 OEQ - University Joint Committee for Programme Accreditation.

Motion 75-104-2 2. Council unanimously adopted a motion to appoint Professor Giguere as Secretary for the period 1 June 1975 through 31 May 1976.

Motion 75-104-3 3. Council unanimously adopted a motion to approve the minutes of the 103rd meeting.

4. Numbering of Meetings

It was agreed that the current system for numbering meetings was inappropriate in view of the creation of the Concordia Faculty of Engineering.

Motion 75-104-4 5. Council considered a motion to number meetings within a given academic year (e.g. 756-1, 756-2).

6. Some members felt that the calendar year should be used as this

would be consistent with current practice at Senate. Secretary will investigate the matter and report at the next meeting.

Motion
75-104-5

7. Council unanimously adopted a motion to table motion 75-104-4.

8. Registration Statistics

Assistant Dean Giguere presented unofficial registration statistics for fall 1975. (Doc. 75-104-1).

9. New Members

The Chairman welcomed new members of Council and introduced student members: D. Janigan (DSA); A. Rauba (DSA); I. Szuts (PTSA) and M. Gamache (Loyola). The GSA has not yet appointed a member.

10. Reports from Committees

Chairman informed Council that Department Chairmen and Chairmen of Committees of Council would present a brief summary of activities of the past year, as well as plans for the coming year, at the next meeting.

11. SCORE

Chairman informed Council of the remarkable success of Eddie Lo and Paul Kiang, and Drs. Lin and McQueen, in the SCORE competition. Concordia won:

- 1st place in Solar Energy for Solar Energy System Output
- 1st place in the whole contest for System Efficiency
- 3rd place among finalists for total points
- 3rd place for student innovations.

Motion
75-104-6

12. Council unanimously adopted a motion to congratulate the participants in the SCORE competition.

13. Conferences

- .1 Midwest Symposium on Circuits and Systems, August 11-12 1975, Concordia University. Dr. Swamy, who was Conference Chairman, reported that this conference was a success in terms of the number of participants, as well as in the number and quality of the papers presented.
- .2 International Symposium on Operator Theory, August 12-14 1975, Concordia University. Dr. Swamy reported that this conference, attended by both engineers and applied mathematicians, was also a success.
- .3 World Congress on Space Enclosures, 4-9 July 1976, Hotel Bonaventure. Dr. Fazio reported that he has been named Chairman of the Congress. Concordia, Ecole Polytechnique, and Carleton are directly involved in this Congress.

- .4 IFTOMM Congress. The International Federation of Theory of Machines and Mechanisms has awarded their Fifth World Congress to Montreal to be held in the first week of July 1979. It has appointed Professors Sankar and Osman to organize this Conference which will draw over 300 participants from more than 25 member nations of the Federation.
- .5 ASME Design Technology Transfer Conference. The 14th Biennial Mechanisms Conference of the American Society of Mechanical Engineers and the Second ASME Design Technology Transfer Conference will be held on 26-30 September 1976 in Montreal. The Conference Chairman is Dr. Osman and the Paper Review Chairman is Dr. Sankar.

14. Building Engineering (M.Eng. Programme)

Professor Fazio noted that the Comité des Programmes had approved an option in Building Engineering within the M.Eng. programme (Docs. 75-104-2 and -3). He further noted that the Rector has agreed to allocate resources for the programme. It is expected that efforts would be made to launch the programme in time for January 1976. Finally, he informed Council that Dr. Hutcheon, formerly head of the National Research Council Building Research Division, has been appointed as Adjunct Professor.

15. Comité des Programmes

Chairman informed Council that the mandate of this committee had been redefined. Although it would continue to examine proposals for Ph.D. programmes, it would no longer examine proposals for individual programmes at the Bachelor's and Master's levels. It would, however, concern itself with broad issues such as provincial requirements for specific types of programmes. Individual universities will henceforth be responsible for monitoring the viability of their various programmes, as well as assessing proposals for new programmes (Doc. 75-104-8).

16. Elections to University Bodies

Motion
75-104-7

Council unanimously adopted a motion to appoint the persons elected to University academic bodies as shown in Doc. 75-104-4.

17. Appointment to Senate Committee on Priorities and Resource Allocation

Chairman informed Council that Senate had ruled that no Dean could be a member of this committee. Guided by the spirit of Motion 75-100-11, he will re-open nominations for this appointment.

18. Nomination of Member to Advisory Committee, Dean of Graduate Studies

Chairman informed Council that EFC has been requested by the

Acting Vice-Rector, Academic, to appoint a member to this Committee (Doc. 75-104-5).

Motion
75-104-8

19. Council unanimously adopted a motion to nominate and elect a member to the Advisory Committee, Dean of Graduate Studies, using the procedures set out in Doc. 75-98-5.

20. Nomination of Member to Continuing Education Advisory Council

Chairman informed Council that this committee has been newly reconstituted and that Council is to appoint a member (Doc. 75-104-6).

Motion
75-104-9

21. Council unanimously adopted a motion to nominate and elect a member to the Continuing Education Advisory Council using the procedures set out in Doc. 75-98-5.

22. CLESEC

The Assistant Dean informed Council that CLESEC had agreed to defer the implementation of any new entrance profiles for programmes in the pure, applied and health sciences for one more year. A new Science Committee composed of one representative from each university, chairmen of collegial discipline committees, and a representative from DGEC and DGES is to be formed in order to identify and assess the various solutions to the problem of entrance profiles.

23. Undergraduate Curriculum

The Assistant Dean presented EUSC recommendations (Doc. 75-104-7). He noted that because of the very extensive changes proposed, departments had had three opportunities to consider the 76/77 curriculum.

Motion
75-104-10

24. Council considered a motion to adopt recommendation 1a of the document.

NOTE: Motions 75-104-11 to 27 are all amendments to Motion 75-104-10. All page numbers and sections referred to are with respect to Doc. 75-104-7.

Motion
75-104-11

25. On page 3, recommendation 1a: replace 1 January 1976 by 1 September 1976. Adopted unanimously.

Motion
75-104-12

26. Add: "Properties of Polymers and Ceramics" to description of EE N-421 - Electrical Properties of Solids. Adopted unanimously.

Motion
75-104-13

27. On page 13 - Mechanical Engineering Electives, show:

Engin N-571	Time Domain Analysis and Design	B,C	4.0
Engin N-572	Studies in System Optimization	C	4.5
Elect Eng N-412	Electronics II	C	4.5

as electives preceded by the statement "Students may also

choose from the following courses providing these can be accommodated within their timetable".

Adopted: 1 against; 2 recorded abstentions.

- Motion 28. Delete Mech Eng N-551 Thermodynamics III as a departmental
75-104-14 offering. Remove MEN-551 as a prerequisite for MEN-553.

Adopted: 4 recorded abstentions.

- Motion 29. Add as Mechanical Engineering electives
75-104-15

Mech Eng N-543	Mechanical Vibrations	A,B,C	4.0
N-553	Intr. to Nuclear Engineering	A,B,C	3.0
Man 345	Production Management	B	3.0

- Motion 30. Delete Comp Sc-482 Computer Languages 4.0
75-104-16 Add Comp Sc N-223 Computer Languages 3.0
Add Elect Eng N-416 Intr. to Discrete Structures 2.0
to Electrical Engineering digital option

- Motion 31. Council considered a motion to approve Motion 75-104-16 in
75-104-17 principle but to refer it to EUSC for detailed study.

Defeated: 5 in favour; 8 against.

32. Council approved Motion 75-104-16 (1 against; 3 recorded
abstentions).

- Motion 33. Rename Electrical Engineering Digital option as Computer
75-104-18 Engineering option. Adopted unanimously.

- Motion 34. Remove from Mechanical Engineering core and add to Mechanical
75-104-19 Engineering electives:

Mech Eng N-423	Thermal Treatment and Processing	A,B,C	4.0
	of Metals		

Adjust core units to 63.0 and increase elective units
appropriately.

Adopted: 4 recorded abstentions.

- Motion 35. On page 15, item 3.1, reword as "Add two new courses;
75-104-20 Engin N-373 - Basic Circuit Analysis, to Engineering core
and Engin N-374 - Physical Systems and Measurements, to
Electrical and Mechanical Engineering core programmes".
Adopted unanimously.

- Motion 36. On page 16, delete item 6.3.3, and renumber items .4, .5
75-104-21 .6 as .3, .4 and .5. Adopted unanimously.

- Motion 37. On page 16, item 6.3.3, add "Addition of laboratory".
75-104-22 Adopted unanimously.

- Motion 38. Add course descriptions for Civ Eng N-453, N-454 and N-555.
75-104-23 Adopted unanimously.
- Motion 39. On page 21, delete second paragraph.
75-104-24
- Motion 40. On page 21, item 5, first sentence, delete the clause "for the
75-104-25 reasons set out by the Dean of Engineering".
- Motion 41. On page 8 of course descriptions, add Phys N-225 as a pre-
75-104-26 requisite for Engin N-373 - Basic Circuit Analysis.
- Motion 42. On page 8A of course descriptions, delete "N-371 and". On
75-104-27 page 9 of course descriptions, delete "or N-372" in the NOTE.
43. Council unanimously adopted Motion 75-104-10 as amended by
Motions 75-104-11-16 and 18-27.
- Motion 44. Council unanimously adopted recommendation (b) of Doc.
75-104-28 75-104-7.
- Motion 45. Council unanimously adopted recommendation 2 of Doc. 75-104-7.
75-104-29
- Motion 46. Council considered a motion to adopt recommendation 3 of Doc.
75-104-30 75-104-7.
47. Council was adjourned due to the lack of a quorum.